

Eddleman Dam and Lake Graham

Lake Eddleman became a part of Lake Graham in 1959.

OWNER

City of Graham.

ENGINEER (Design)

Freese and Nichols.

LOCATION

On Flint Creek in Young County, 2.2 miles northwest of Graham.

DRAINAGE AREA

42 square miles. The combined area of Flint Creek and Salt Creek above Lake Graham is 205 square miles.

DAM (1958 enlargement)

Type	Earthfill
Length	4,495 ft
Height	57 ft
Top width	20 ft
Top elevation	1,093.3 ft above msl

SPILLWAY

The spillway and outlet works are part of the combined project. (See Graham Dam)

STATE AUTHORIZATION

Permit No. 1061 (Application No. 1136) May 1, 1928, authorized a dam to impound 4,503 acre-feet of water.
Permit No. 1747A (Application No. 2064) February 27, 1958, authorized the enlarged dam to impound 13,386 acre-feet of water and to use part of the appropriation for industrial purposes.

RESERVOIR DATA

(See Lake Graham for combined capacities and areas)

GENERAL

Construction started	1928
Dam completed	1929
Impoundment of water began	1929
Enlarged dam started	1957
Enlarged dam completed	1958
General contractor	Womack-Henning Construction Company for the original dam
Estimated cost of the original dam	\$237,100

Graham Dam and Lake Graham

OWNER

City of Graham.

ENGINEER (Design)

Freese and Nichols.

LOCATION

On Salt Creek in Young County, 2.2 miles northwest of Graham.

DRAINAGE AREA

205 square miles.

DAM

Type	Earthfill
Length	4,300± ft
Height	82 ft
Top width	20 ft
Top elevation	1,093.3 ft above msl

SPILLWAY

Type	Cut in natural ground
Length	1,050 ft
Crest elevation	1,076.3 ft above msl

OUTLET WORKS

Texas Electric Service Company pumps water directly from the lake for powerplant use. Water for municipal use is pumped directly from the lake.

Control from tower	2 valves, each 20-inch diameter on 24-inch conduit
Outlet elevation from tower	1,031.3 ft above msl
Outlet crest elevation	1,051.3 ft above msl

STATE PERMIT

Permit No. 1747 (Application No. 1871) May 10, 1955, allows storage of 39,000 acre-feet of water and annual diversion of 15,000 acre-feet for municipal and industrial use.

RESERVOIR DATA (Capacities from survey made in 1953 by Freese and Nichols)

A connecting channel from former Lake Eddleman creates one body of water, named Lake Graham.

Spillway elevation	1,076.3 ft above msl
Combined capacity	53,680 acre-feet
Combined area	2,550 acres
Storage below tower outlet	8,700 acre-feet
Usable conservation storage space	53,680 acre-feet

GENERAL

Construction started	September 17, 1956
Dam completed	July 1958
Impoundment of water began	April 28, 1958
The two lakes became one	1959
Contractor for both projects	Weldon C. Jourdan
Estimated cost of Graham Dam and reconstruction of Eddleman Dam	\$486,490

